10/531069



### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applic 6639		agent's file reference	FOR FURTHER ACTION  See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/JP 03/13155			International filing date 15.10.2003	national filing date (day/month/year) Priority date (day/month/year) 16.10.2002			vyear)	,
Interna A61 K		Patent Classification (IPC) or	both national classification	and IPC			.:	
Applica TAKE		HARMACEUTICAL CO	MPANY LTD. et al.	,				:
1.	This in	ternational preliminary ex ity and is transmitted to th	amination report has be e applicant according to	en prepared by this Ir o Article 36.	nternational Pr	eliminary E	xaminin	g
2.	This RI	EPORT consists of a tota	of 5 sheets, including	this cover sheet.	- *		•	
ı	b	his report is also accomp een amended and are the see Rule 70.16 and Section	basis for this report ar	nd/or sheets containing	rectifications	nd/or drawi made befo	ngs whic re this A	h have uthority
	These	annexes consist of a tota	of sheets.		4	• 3 .	. :	. :
			;					
3. ·	This re	port contains indications	elating to the following	items:			;	
•	ı E	Basis of the opinion				* 1	v 1	
	II 🗆							
	HI C		f opinion with regard to	novelty, inventive step	o and industria	l applicabil	ty⊹	•
	IV 🗵	•					i <sub>3</sub>	
,	V E	Reasoned statement	under Rule 66.2(a)(ii) v itions supporting such s	with regard to novelty,	inventive step	or industri	al applic	ability;
	VI C	_		natement			300	
l .	VII E		e international application	on				
l	VIII E		on the international ap					<i>i</i> :
Date o	of submi:	ssion of the demand		Date of completion of	f this report	٠.	;	
27.11	27.11.2003			22.02.2005				
Name	and ma	iling address of the internation	Authorized Officer	··	:: ,	•••	obes Petrozo	
prelimi	inary ex	amining authority: European Patent Office			• • •		· South	11 1
	9))	D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523	Kardas-Llorens,	E		erews/A	9))	
-	<u> </u>	Fax: +49 89 2399 - 4465	op o	Telephone No. +49 8	9 2399-8652	•	34	the same . Landing

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/13155

l.	Bas	is c	of t	the	rep	ort
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		•	· · · · · · · · · · · · · · · · · · ·					
1.	the	With regard to the <b>elements</b> of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):						
	Des	scription, Pages	•					
	1-3	59	as originally filed					
	Cla	ims, Numbers						
	1-4	9	as originally filed					
2.	. With regard to the <b>language</b> , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.							
	The	ese elements were av	ailable or furnished to this Authority in the following language: , which is:					
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
		the language of pub	publication of the international application (under Rule 48.3(b)).					
the language of a translation furnished for the purposes of international preliminary examination (Rule 55.2 and/or 55.3).								
3.	Witl inte	With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:						
		contained in the inte	rnational application in written form.					
	☐ filed together with the international application in computer readable form.							
☐ furnished subsequently to this Authority in written form.								
☐ furnished subsequently to this Authority in computer readable form.								
☐ The statement that the subsequently furnished written sequence listing does not go beyond in the international application as filed has been furnished.								
		The statement that the listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
1.	The amendments have resulted in the cancellation of:							
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).							

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this

. Form PCT/IPEA/409 (January 2004)

6. Additional observations, if necessary:

report.)

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/13155

I۷	. Lac	ck of unity of invention							
1.	In r	n response to the invitation to restrict or pay additional fees, the applicant has:							
		restricted the claims.							
		paid additional fees.							
		paid additional fees under protest.							
		neither restricted nor paid add	ditional	fees.					
2.	☒	This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.							
3.	This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is								
		complied with.							
	$\boxtimes$	not complied with for the follow	wing re	easons:					
	see	separate sheet							
4.		Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:							
	$\boxtimes$	all parts.			i ·				
		the parts relating to claims No	s						
٧.		soned statement under Artic tions and explanations supp			rd to novelty, inventive step or industrial applicability nent				
۱.	Stat	atement							
	Nov	relty (N)	Yes: No:	Claims Claims	1-49				
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-49				
	Indu	ustrial applicability (IA)	Yes: No:	Claims Claims	1-49				

2. Citations and explanations

see separate sheet

### **EXAMINATION REPORT - SEPARATE SHEET**

### Re Item IV

### Lack of unity of invention

There is no single general inventive concept between independent claims 1, 24 and 41, since they are directed to different inventions as follows:

1. Claims: 1-23

Independent claim 1 describes a capsule comprising a tablet, granule or fine granule, an active ingredient (not explicitly claimed) and a gel-forming polymer.

2. Claims: 24-40

Independent claim 24 describes a tablet, granule or fine granule comprising a core particle containing an imidazole compound (I'), a selected coating polymer which is soluble in the pH range of 6.0 to 7.5.

3. Claims: 41-49

Independent claim 41 describes a capsule comprising;

- (I) a tablet, granule or fine granule comprising a core particle containing an imidazole compound (I'), a selected coating polymer which is soluble in the pH range of 6.0 to 7.5 and
- (ii) a tablet, granule or fine granule comprising a core particle containing an active ingredient and an enteric coating which is dissolved.

### Re Item V

# Reasoned statement with regard to novelty, inventive step or industrial applicability:

Citations and explanations supporting such statement:

- D1: US-B-6 391 342 (HENRIKSEN KRISTIAN LUND ET AL) 21 May 2002 (2002-05-21)
- D2: EP-A-0 247 983 (HAESSLE AB) 2 December 1987 (1987-12-02)
- D3: WO 03/061584 A (UNIV MISSOURI) 31 July 2003 (2003-07-31)
- D4: US 2002/076435 A1 (CHEN SHIH MIN ET AL) 20 June 2002 (2002-06-20)
- D5: US-A-5 814 338 (VERONESI PAOLO ALBERTO) 29 September 1998 (1998-09-29)
- D6: US-A-6 159 499 (SETH PAWAN) 12 December 2000 (2000-12-12)
- D7: WO 98/50019 A (CHEN JIVN REN ;SAGE PHARMACEUTICALS INC (US)) 12 November 1998 (1998-11-12)
- D8: EP-A-0 960 620 (RANBAXY LAB LTD) 1 December 1999 (1999-12-01)
- D9: DE 198 01 811 A (STADA ARZNEIMITTEL AG) 22 July 1999 (1999-07-22)
- D10: US-B-6 306 4351 (CHEN GAN-LIN ET AL) 23 October 2001 (2001-10-23)
- D11: WO 02/26210 A (PELLONI CHRISTOPHER L ; CULLEN DAN (US);

## INTERNATIONAL PRELIMINARY

International application No. PCT/JP 03/13155

**EXAMINATION REPORT - SEPARATE SHEET** 

GENEVA PHARMACEUTICALS INC) 4 April 2002 (2002-04-04)

D12: US-A-5 817 338 (BERGSTRAND PONTUS JOHN ARVID ET AL) 6

October 1998 (1998-10-06)

US-A-5 840 737 (PHILLIPS JEFFREY OWEN) 24 November 1998 D13:

(1998-11-24)

D14: US-A-6 077 541 (CHEN CHIH-MING ET AL) 20 June 2000 (2000-06-

20) ·

### Novelty:

The subject-matter of independent claims 1, 24 and 41 is not novel, since being disclosed in documents D1-D14, in each taken alone. For the relevant claims see the indications in each cited document in the search report.

### Inventive Step:

According to present page 3, the object of the present invention is to provide a controlled release preparation wherein the release of active ingredient of drug is controlled, which releases an active ingredient for an extended period of time with staying or slowly migrating in the gastrointestinal tract.

This object has been presently solved by the preparations according to claims 1, 24 and 41.

The presently posed problem has been already solved in a similar manner by the teachings of documents D1, D2, D4-D14.

Thus, the solution proposed in claims 1, 24 and 41 of the present application cannot be considered as involving an inventive step (Article 33(3) PCT).

### Re Item VI Certain documents cited

### Certain published documents

**Application No** Publication date Filing date Priority date (valid claim) Patent No (day/month/year) (day/month/year) (day/month/year) WO-A-03061584 31.07.03 17.01.03 19.01.02